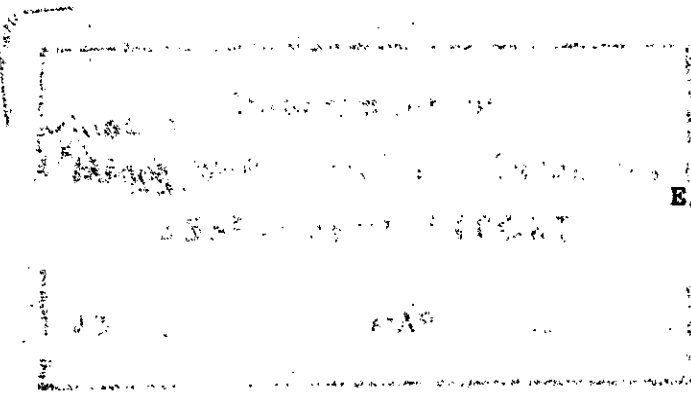


REPORT COVERING
GEOCHEMICAL SURVEY, STRIPPING AND TRENCHING WORK
52° 122° SE
G.G. CLAIMS
CARIBOO AREA, BRITISH COLUMBIA
FOR
PETER BUTLER, KEEVIL MINING GROUP LIMITED
BY
GEOPHYSICAL ENGINEERING & SURVEYS LIMITED
MARCH 1, 1963 - APRIL 30, 1963



E. G. Thompson

00487

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**Department of
Mines and Petroleum Resources
ASSESSMENT REPORT**

NO. **487** MAP

REPORT COVERING
GEOCHEMICAL SURVEY, STRIPPING AND TRENCHING WORK
52° 122° SE
G.G. CLAIMS
CARIBOO AREA, BRITISH COLUMBIA

INTRODUCTION

The following report covers work done by Geophysical Engineering and Surveys Limited for Keevil Mining Group Limited on the G.G. Group of mineral claims between March 6 and April 5, 1963. This report has been prepared to fulfill the requirements of the mineral act governing the acceptance of geochemical surveys and stripping and trenching work for one years assessment work on these claims.

LOCATION

The G.G. group of claims are located about three miles northeast of the north end of Cuisson Lake. They surround the Pollyanna showing reported on by the B.C. Department of Mines in 1957. Access is by logging road from the main Cariboo highway at the north end of McLeese Lake some eight miles to the vicinity of the Sunset adit on Granite Creek. From here it is possible to reach the Pollyanna showings by walking about 1 1/4 miles eastward along Granite Creek.

PROPERTY

The property consists of the 25 G.G. claims named G.G. 1-25, Tag Nos. 420717 to 420724 inclusive, 420727 to 420733 inclusive and 420735 to 420744 inclusive. Due to extensive overlapping of claims G.G. 3, 5, 7, 12, 13, 14, 15 by themselves and by the neighbouring

Zephyr and H.C. claims these 7 G.G. claims cover less than half of their total possible acreage.

GEOCHEMICAL SURVEY

For ground control picket lines were put in at around 800 foot intervals except in the vicinity of the Pollyanna showing where they are at 400 foot intervals. They were tied in by a cross-line at the southern end of the property as shown on the geochemical map. All lines were chained and picketed at 100 foot intervals.

To date only about half the claim group has been covered by the survey. The eastern part of the group is not as favourable for geochemical work as it is more heavily covered by overburden.

Samples were taken at 100 foot intervals with a pick and shovel and it was attempted to sample the B horizon although this was not possible in every case. This resulted in the depth of sample taken varying from three inches to two feet but with an average of around six inches. Samples were dried and the fine portions analyzed by quick test. About half the samples were run using the rubeanic acid method outlined by Warren & Delavault (Western Miner and Oil Review, January 1959) and half by the Holman method (G.S.C.) ^{paper 63-7 by R.H.L. Colman}. The results are shown on the geochemical map and indicated as to which method used. The dried samples were then shipped to Geophysical Engineering and Surveys Limited's laboratory in North Bay for assay for total copper by X-ray fluorescence method.

The results of the sampling show that some of the soils do contain anomalous amounts of copper and that the quick tests were usually successful in indicating samples high in total copper. Samples that contained humus material often assayed high in copper but as it seems to be a characteristic of this area for the humus material to concentrate copper, no particular importance is placed on these values. The high copper samples on the south end of line 40E and 48E were stripped by a bulldozer (discussed in next section) and trenched but only low copper values were found in the underlying bedrock. High copper values on line 28E near the old Pollyanna showing are thought to be caused by contamination from the old workings here. High copper values in several samples from the central part of lines 12E and 20E appear to be associated with low copper mineralization in the rocks.

STRIPPING AND TRENCHING WORK

A DH-6 was rented from Wes Haywood Logging from March 15-20 inclusive and Geophysical Engineering & Surveys supplied the operator. Three areas were stripped in this time as shown on Sketch B. However, the centre area proved to have too much overburden for this machine and this cut was abandoned after having cleaned out a trench about eight feet deep there. On the other two stripped areas a 200 foot zone was cleared off by picks and shovels to allow a close examination of the rocks along the entire length of the pits. Generally there was not more than a foot of material to remove but even this proved to be difficult as the material consisted of a glacial boulder clay and was

usually frozen. In one spot in the western trench it was necessary to go down about three feet before bedrock was reached.

Following this work it was decided that a trench would yield additional information and facilitate sampling. Therefore, a plugger was rented and two trenches, one on each stripped area, were put in along the previously cleaned out zones (see Sketch B). The western trench is from one to three feet deep (probably averaging about two feet) and 180 feet long while the eastern trench is from one to three feet deep (probably averaging close to three feet) and 160 feet long. Both trenches have been cleaned out, examined and sampled.

RECOMMENDATIONS AND CONCLUSIONS


The results of the soil sampling programme indicates that geochemical work is a very useful method to delineate zones containing copper mineralization. However, on this property it appears that small amounts of copper in the underlying bedrock will cause a significant geochemical anomaly (usually from 0.1-0.2% Cu) in the overlying soils.

The stripping and trenching work done on lines 40E and 48E plus the examination done on the showings and outcrops on other parts of the property has been sufficient to explain the high copper values obtained in the soil samples.

No further work is recommended on this property at this time.

Respectfully submitted,

GEOPHYSICAL ENGINEERING & SURVEYS LIMITED,



E. G. Thompson.

GEOPHYSICAL ENGINEERING & SURVEYS LIMITED

JOB # 583E

April 29, 1963.

Statement of Costs:

**Trenching, Stripping and Geo-Chemical Survey on
G.G. Property, Cariboo Area, British Columbia.**

Salaries and Wages:

(a) Trenching and stripping	2,126.94	
(b) Geo-chemical survey	1,166.88	
(c) Plotting and calculation	<u>556.86</u>	3,850.68
✓ Assaying		569.75
Transportation		269.50
Supplies - powder, caps and fuses		<u>39.85</u>
		<u>34,729.78</u>

GEOPHYSICAL ENGINEERING & SURVEYS LIMITED

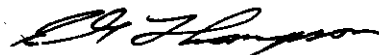
A. R. Clark, President.

STATEMENT OF QUALIFICATIONS

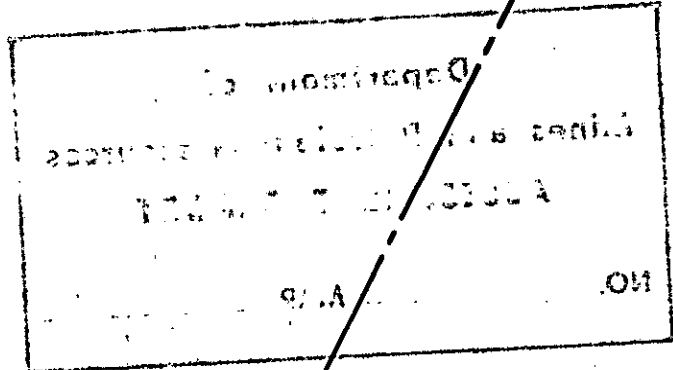
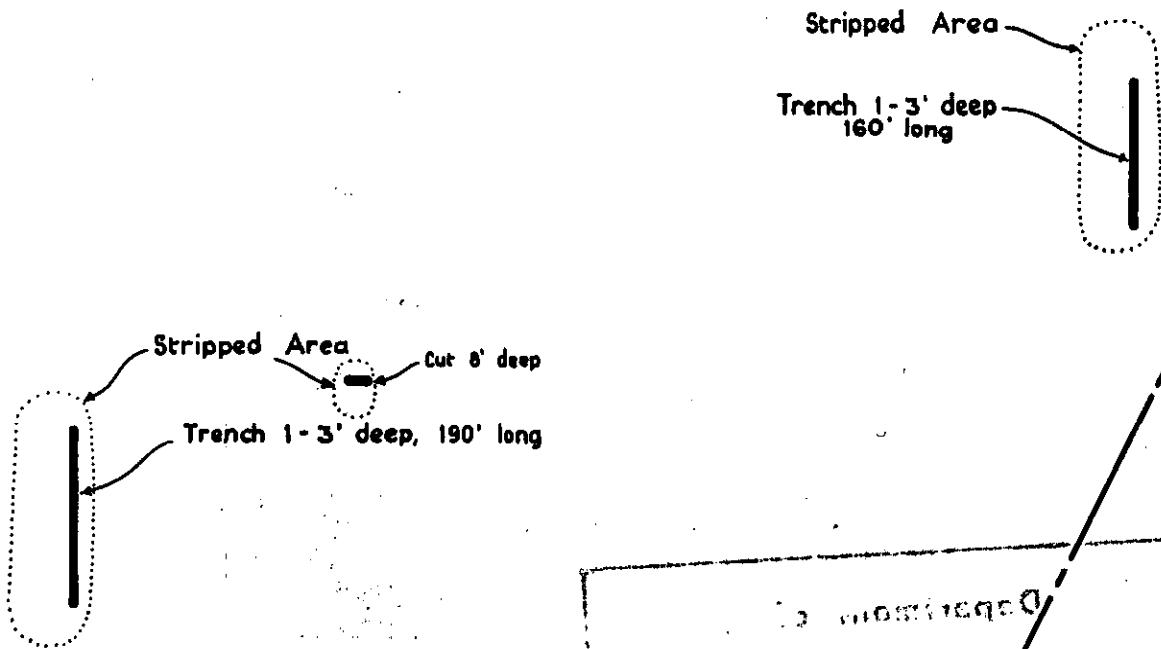
I, E.G. Thompson of the City of Toronto, Province of Ontario, do hereby declare:

1. That I am a geological engineer and reside at 111 Moore Avenue, Toronto 7, Ontario.
2. That I am a graduate from the University of Toronto, BaSc in Geological Engineering, 1959, MASc in Geological Engineering from the University of Toronto, 1960, and have practised the profession of geologist for four years.
3. That I am a member of the Association of Professional Engineers of Ontario.
4. That I have had extensive experience in geochemical surveys in various parts of Canada in the last four years.
5. That the foregoing report is based on work conducted by myself.

April 30, 1963.



G. G. 7



SKETCH 'B'
SHOWING
LOCATION OF STRIPPING AND TRENCHING
ON G.G. CLAIM No 18 7
G.G. PROPERTY
CARIBOO AREA, B.C.

Scale : 1 in = 200 ft

APPENDIX TO REPORT NO. 399T

PROPERTY G. G. Property

TYPE OF SURVEY 1. Trenching and Stripping
 2. Geochemical

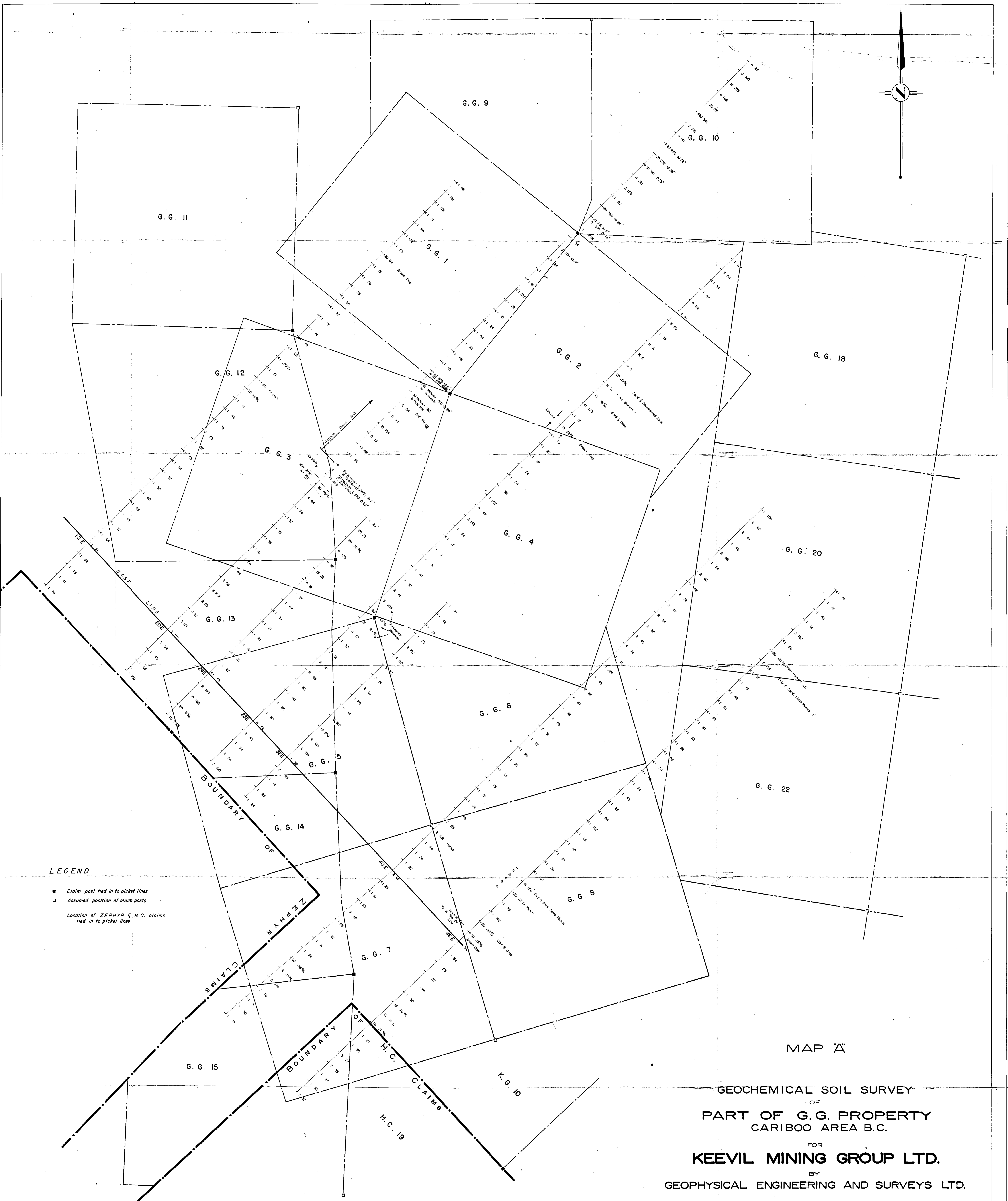
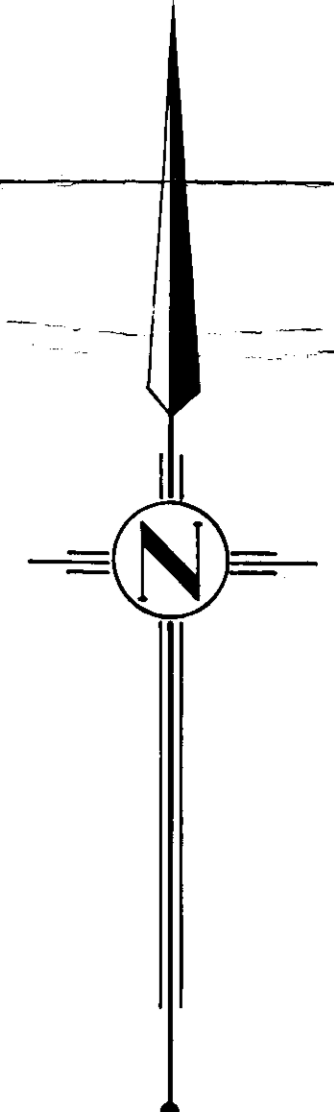
INSTRUMENTS 1. _____ SENSITIVITY
 2. _____

NO. MILES OF LINE 1. _____ NO. OF STATIONS 1. _____
 2. 5 TOTAL _____ 2. 285 TOTAL _____

PERSONNEL AND TIME DISTRIBUTION

NAME	ADDRESS	TYPE OF WORK	PERIOD	DAYS
A. XXXXXXXXXXXXXXXXXXXXXXXXXXXX TRENCHING				
XXXXXXXXXXXX Arnie McDonald	Temagami, Ontario	Cat Operator	Mar. 15-20	6
E.G. Thompson	Toronto, Ontario	Trenching & Super.	Mar. 15-Apr. 15	18
Angus McDonnell	North Bay, Ontario	Trenching	Mar. 15-Apr. 5	18
Claude Lefferson	McLeese Lake, B.C.	Trenching	Mar. 20-Apr. 5	13
TOTAL 8 HOUR DAYS				55
B. XXXXXXXXXXXX Geochemical				
Geophysical Survey:				
E.G. Thompson	Toronto, Ontario	Sampling & Interp.	Mar. 15-Apr. 9	8
Angus McDonnell	North Bay, Ontario	Analysing	Mar. 15-Apr. 9	4
Angus McDonnell	North Bay, Ontario	Line-cutting	Mar. 1-15	9
Claude Lefferson	McLeese Lake, B.C.	Line-cutting	Mar. 1-15	9
TOTAL 8 HOUR DAYS				30
C. Calculating, Plotting, Drafting, Report:				
E.G. Thompson	Toronto, Ontario	Plotting, Interp. & Report		10
Alex Fernmann	Toronto, Ontario	Drafting		3
TOTAL 8 HOUR DAYS				13
TOTAL ALL DAYS				96

Signed: E.G. Thompson
 E.G. THOMPSON



LEGEND

- Claim post tied in to picket lines
 - Assumed position of claim posts
- Location of ZEPHYR & H.C. claims tied in to picket lines

MAP A

GEOCHEMICAL SOIL SURVEY
OF
PART OF G.G. PROPERTY
CARIBOO AREA B.C.
FOR
KEEVIL MINING GROUP LTD.
BY
GEO PHYSICAL ENGINEERING AND SURVEYS LTD.

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 487 MAP 2

NOTE: 1.27% QUICK TEST - TOTAL COPPER IN D.P.M.

487

SCALE: 1 inch = 200 feet

To accompany report dated April 30, 1965 by E.G. Thompson
DRAWN BY: A.F.
CHECKED: E.T. N.T.S. 93-B-9 APR. 1963 JOB 583E DWG. 2528